

Converting Colors

XYZ(27.7689, 37.0005, 24.5953)

Have a look what the booklet for
XYZ(27.7689, 37.0005, 24.5953)
contains.

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Color

**XYZ(27.7676, 36.9415,
24.7357)**

Conversions

Conversions Part 1

Format	Color
Hex	7EB07C
RGB	126, 176, 124
RGB Percent	49%, 69%, 49%
CMY	0.5059, 0.3098, 0.5137
CMYK	0.28, 0.00, 0.30, 0.31
HSL	118°, 25%, 59%
HSV	118°, 30%, 69%
XYZ	27.7676, 36.9415, 24.7357
YIQ	155.1220, -13.1080, -26.7720

Conversions

Conversions Part 2

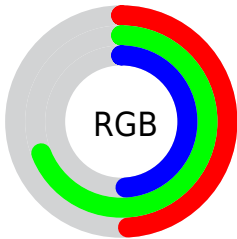
Format	Color
RYB	124, 176, 174
Decimal	8302716
CIELab	67.23, -26.99, 21.47
CIELCh	67, 34.491, 141.502
Yxy	36.9415, 0.3104, 0.4130
Android (android.graphics.Color)	4286492796 (0xFF7EB07C)
YUV	155.1220, -15.3431, -25.5400
Hunter-Lab	60.7795, -24.8150, 18.4162

Details

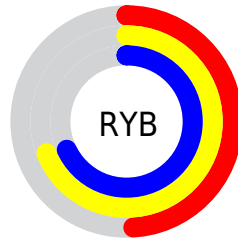
The XYZ color **27.7676, 36.9415, 24.7357** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.5013, 26.5497, 44.4878**, and the grayscale version is **31.2805, 32.9095, 35.8384**.

A 20% lighter version of the original color is **55.6148, 70.5908, 52.2892**, and **11.2546, 16.1698, 9.1845** is the 20% darker color. If you saturate the color by 10%, you get **24.4647, 35.3572, 19.2806**, and if you desaturate by 10%, it is **31.6933, 38.8261, 31.2586**.

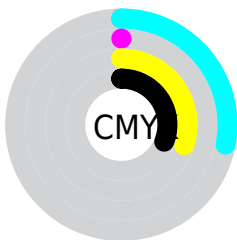
Distribution



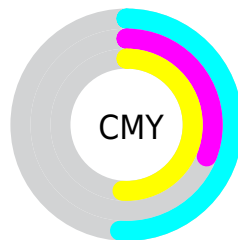
- Red (49%)
- Green (69%)
- Blue (49%)



- Red (49%)
- Yellow (69%)
- Blue (68%)



- Cyan (28%)
- Magenta (0%)
- Yellow (30%)
- Black (31%)





- Cyan (51%)
- Magenta (31%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7676, 36.9415, 24.7357 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 27.7676, 36.9415, 24.7357 by changing the saturation by 10% instead.


 27.7676, 36.9415,
24.7357


 27.7676, 36.9415,
24.7357


283.4550,
333.0572, 289.9246


 18.2901, 25.1622,
15.6630


 55.5244, 70.4828,
52.1869

 11.2594, 16.1979,
9.1343


 74.5345, 93.0136,
71.4025

 6.3102, 9.6643,
4.7308


 97.4528, 119.8970,
94.8362

 3.0770, 5.1770,
2.0343

124.6446,
151.5174, 122.9065

 1.1946, 2.3515,
0.5762

156.4754,
188.2593, 156.0320

 0.1021, 0.8008,
0.0000

193.3105,

 0.0000, 0.0000,

230.5069, 194.6311

0.0000

235.5153,
278.6447, 239.1224

■ 27.7676, 36.9415,
24.7357

■ 27.7676, 36.9415,
24.7357

■ 24.4647, 35.3572,
19.2806

■ 31.6933, 38.8261,
31.2586

■ 21.7498, 34.0532,
14.8340

■ 36.2685, 41.0203,
38.8992

■ 19.5895, 33.0147,
11.3351

■ 41.5218, 43.5389,
47.7074

■ 17.9453, 32.2234,
8.7149

■ 47.4792, 46.3944,
57.7293

■ 16.7743, 31.6588,
6.8957

■ 54.1653, 49.5985,
69.0083

■ 16.0262, 31.2970,
5.7858

■ 61.6036, 53.1624,
81.5861

■ 15.6247, 31.1025,
5.2028

■ 69.8166, 57.0969,
95.5021

■ 15.6107, 31.0958,
5.1793

■ 74.8161, 59.5321,
102.1554

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.5292, 36.9415, 18.8234



27.7676, 36.9415, 24.7357



26.0183, 36.9415, 36.0876

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.7676, 36.9415, 24.7357



33.6365, 36.9415, 76.2658



45.4018, 36.9415, 30.5016

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.7676, 36.9415, 24.7357



32.5013, 26.5497, 44.4878

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.1099, 36.9415, 44.6629



27.7676, 36.9415, 24.7357



38.9559, 36.9415, 73.6910

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.7676, 36.9415, 24.7357



29.1777, 36.9415, 67.4585



43.6486, 36.9415, 61.1125



41.8004, 36.9415, 21.5267

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.7676, 36.9415, 24.7357



26.0938, 36.9415, 46.2878



43.6486, 36.9415, 61.1125



45.9995, 36.9415, 34.7126

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.7686, 36.9431, 24.7365



66.1230, 74.5602, 71.1275



36.5646, 40.7280, 25.0035



14.0561, 16.0271, 14.9563



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7686, 36.9431, 24.7365



46.5948, 65.1921, 38.6346



29.1366, 37.4566, 33.4639



8.4182, 9.5051, 9.0435



11.4649, 22.8204, 3.8005



0.3707, 0.7232, 0.1200

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.5013, 26.5497, 44.4878



56.4813, 43.4709, 79.9091



30.8302, 25.9331, 33.3459



8.8171, 8.6298, 10.7073



17.8036, 8.5139, 30.8420



0.5701, 0.2730, 0.9709

Previews

White Background



This preview shows how the XYZ color 27.7676, 36.9415, 24.7357 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7676, 36.9415, 24.7357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7676, 36.9415, 24.7357

Background



This preview shows how black text looks on a background with the XYZ color 27.7676, 36.9415, 24.7357.



This preview shows how white text looks on a background with the XYZ color 27.7676, 36.9415,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.7676, 36.9415, 24.7357

Protanopia

34.0464, 36.6164, 22.4128

Deuteranopia

37.4391, 36.7488, 25.5421



Tritanopia

32.7848, 36.9876, 49.6673

Trichromacy



Original Color

27.7676, 36.9415, 24.7357

Protanomaly

31.2974, 36.5294, 23.1706

Deuteranomaly

33.0426, 36.2987, 25.3435

Tritanomaly

30.7013, 36.9838, 39.2387

Monochromacy



Original Color

27.7676, 36.9415, 24.7357

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6328, 34.1373, 31.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7676, 36.9415, 24.7357 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(126, 176, 124)` looks like.

```
.text, #text, p{  
    color:rgb(126, 176, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(126, 176, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 176, 124) }
```

Border

The CSS property to change the border of an element to XYZ 27.7676, 36.9415, 24.7357 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 176, 124) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(126, 176, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(126, 176, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 176, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 176, 124);  
box-shadow:4px 4px 4px 4px rgb(126, 176,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7676, 36.9415, 24.7357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 176, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(126,  
176, 124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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